Product	Model and resolution	Atmospheric forcing	Data assimilation	Assimilated observations	Initial conditions
ORCA025	NEMO3.2–LIM2, $1/4°$, 46 z levels	6-hourly ERA-Interim	None	None	$1/4°$ run with hydrographic data assimilation
ORCA0083	NEMO3.2–LIM2, $1/12°$, 75 z levels	6-hourly DFS4.1 (1978–2007) and 5.1 (2008–2010)	None	None	Levitus (1998) T/S climatology
ORAP5	NEMO3.4.1–LIM2, $1/4°$, 75 z levels	6-hourly ERA-Interim with wave forcing	NEMOVAR (3D-Var) (Mogensen et al., 2012)	OSTIA SST, AVISO SLA, in situ T/S profiles from EN3_v2 with bias correction for XBT, OSTIA sea ice concentration	12-year spin-up initialised from WOA09 T/S climatology and followed by 5-year assimilation run
CGLORSV5	NEMO3.2.1–LIM2, $1/4°$, 50 z levels	3-hourly ERA-Interim	Global OceanVar (3D-Var) (Storto et al., 2011)	Reynolds $1/4°$ AVHRR + AMSR-E SST, AVISO SLA, in situ T/S profiles from EN3_v2 with bias correction for XBT, NSIDC ("NASA Team" algorithm) sea ice concentration	Mean January condition of a 4-year spin-up initialised from EN4 T/S analysis
UR025.4	NEMO3.2–LIM2, $1/4°$, 75 z levels	6-hourly ERA-Interim	Met Office FOAM–NEMO assimilation system (optimal interpolation) (Storkey et al., 2010)	ICOADS in situ SST and NODC satellite SST, AVISO SLA, in situ T/S profiles from EN3_v2 with bias correction for XBT, EUMETSAT OSISAF sea ice concentration	EN3 T/S analysis
GLORYS2V4	NEMO3.1–LIM2, $1/4°$, 75 z levels	3-hourly ERA-Interim with RF and P corrections	SAM2 (singular evolutive extended Kalman filter) (Pham et al., 1998)	Reynolds $1/4°$ AVHRR-only SST, AVISO SLA, in situ T/S profiles from Coriolis CORA4.1 database, CERSAT sea ice concentration	EN4 T/S analysis